

Performance Annual Report

I. General Information

Facility/System Name: City of Washington WWTP/System

Responsible Entity: City of Washington

Persons In Charge/Contact: Adam Waters/Frankie Buck

Applicable Permits: NC0020648 / NC0081191 / WQ0019179

WQ0001026 / WQCS00087

Description of Treatment Process and Collection System:

Wastewater Treatment Plant- 3.65 MGD WWTP consisting of influent metering, mechanical bar screens, automatic aerated grit chamber, splitter box, aeration basin, 2 activated sludge oxidation ditches, four secondary clarifiers with scum removal and pumped return sludge, five tertiary deep bed denitrification sand filters with methanol storage and feed system, dual parallel chlorine contact chambers with flow paced liquid chlorine feed, sodium bisulfite dechlorination system, post aeration, lime storage tower and dual lime injection vaults, caustic soda and alum feed system, four concrete sludge thickening lagoons, sludge recirculation pump station, effluent pump station, discharge into Tar River and water reuse system.

Collection System- Collection system consists of 74.30 miles of gravity sewer mains from 6" to 24" in diameter and 30.35 miles of force mains with 4898 service connections.

II. Performance

Permit Violations / Environmental Regulations

- 1- March 18, 2013: Approximately 150 gallons of wastewater spilled into a ditch at 2330 Old Bath Hwy. The wastewater was contained in the ditch. The cause of the spill was a crack in a 2" PVC pipe coupling. The wastewater was vacuumed up out of the ditch then we raked up the paper fragments. There were no environmental impacts as a result of this spill.
- 2- May 12, 2013: Approximately 600 gallons of wastewater spilled into a catch basin and on the ground at E 12th St and Brown St. Grease and rags caused the blockage. The area is routinely inspected but the spill still occurred. The wastewater was contained and vacuumed up. The residents in the area were

- notified via door-hangers which provided information about fats, oils and grease. There were no environmental impacts as a result of this spill.
- 3- June 7, 2013: Tropical Storm Andrea created four (4) spills. The City of Washington received 3.5" of rainfall in just 2-3 hours causing wide spread flooding in many low lying areas in town. The sewer system in these low lying areas was inundated with flood waters causing wastewater mixed with rain water to leak out around four (4) manhole covers. There were no environmental impacts that I am aware of that were related to this event.
 - 4- December 27, 2013: A control relay inside the waste sludge pump station at the WWTP failed, disabling the pump controls and alarms. The station overflowed for approximately ten (10) minutes, spilling approximately 500 gallons of wastewater. The spill had no known environmental impacts.

III. Notification


A statement will be printed on the April 2014 utility bills mailed to City sewer users stating where to get a copy of the Wastewater Performance Annual Report or to ask questions. An announcement was also run on the local government access cable television channel.

Utility bill notice for April 2014 bills:


Copies of Washington's Wastewater Performance Annual Report for 2013 are available by calling 975-9374.

IV. Certification

I Certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to users or customers of the named system and that those users have been notified of its availability.


Adam Waters
Water Resources Superintendent
City of Washington

2-28-14
Date


Frankie Buck
Assistant Public Works Director
City of Washington

2-28-14
Date

Wastewater Collection Report

During 2013 the Wastewater Collection Division responded to the following complaint calls;

171 Sewer tap stoppages
4 Mainline stoppages
150 Customer sewer complaint calls
325 Total sewer complaint calls

The City of Washington Wastewater Collection Division provides routine sewer maintenance. We routinely clean sewers as a preventive step to reduce the number of stoppages. In 2013 we performed routine maintenance on 305 sewer taps. We cleaned and flushed a total of 20.25 miles of sewer mains and installed 15 cleanouts on taps.

The Wastewater Collection Division made 51 repairs to the sewer system in 2013. These repairs range from cleanouts to mainline repairs.

The Wastewater Collection Division mowed and inspected the outfall line right of ways twice during 2013. The Division also inspected all high priority lines monthly during 2013.

Effluent Data

Permit Limits

Influent Data

Permit Rules